

ABSTRACT OF THE DISCLOSURE

A combination antenna arrangement is provided for at least two wireless communication services, wherein a closely tolerated directional diagram is configured for the first wireless service, in a frequency range assigned to it.

Antenna conductor parts are provided only for the function of the additional wireless communication services, and are radiation-coupled with the antenna assigned to the first wireless communication service. The conductor parts are divided into segments forming interruption points designed to be smaller than $3/8 \lambda$ for this first wireless service. The interruption points are bridged by low-loss, frequency-dependent reactance circuits (8), in order for the combination antenna arrangement to function. These circuits possess a sufficiently high impedance in the frequency range of the first service and an impedance that is predetermined for proper functioning for the frequency range of the frequency range of the additional communication services.